Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) An ~~A~~ inflation deflation tire valve~~single valve~~, comprising:

a single valve that comprises:

a seat with an opening; and

a semi-rigid membrane with one or several openings disposed around a central part of the membrane that has a diameter that is greater than a diameter of the opening in the seat and a thickness of the central part that is substantially the same, ~~and~~ the semi-rigid membrane~~which~~ is structured to successively adopt two stable positions such that in a first stable position, a surface of the central part of the membrane sits against the seat to close the opening in the seat;~~,~~

a spring;

a base;

a opening; and

a valve membrane that is structured to adopt two positions such that during deflation the semi-rigid membrane is in the first stable position and the valve membrane is in a first position where the valve membrane is away from the base and not covering the opening, and such that during inflation the semi-rigid membrane is in a second stable position and the valve membrane is in a second position where the valve membrane is held by the spring against the base such that the valve membrane closes the opening.

~~wherein the one or several openings in the membrane are disposed around a central part of the membrane;~~

~~wherein the central part of the membrane has a diameter that is greater than a diameter of the opening in the seat and a thickness of the central part is substantially the same; and~~

~~wherein, in a first stable position, a surface of the central part of the membrane sits against the seat to close the opening in the seat.~~

2. (Currently Amended) The ~~single~~ valve according to Claim 1, wherein the seat and the membrane are assembled such that the membrane in the first stable position prevents a circulation of fluid and in the~~a~~ second stable position allows the circulation of fluid.

3. (Currently Amended) The ~~single~~ valve according to Claim 2, wherein the membrane is open so as to create a difference in pressure on either side of the single valve during the circulation of fluid.

4. (Currently Amended) The ~~single~~ valve according to Claim 3, wherein the single valve is activated by the difference in pressure upstream and downstream of the single valve.

5. (Currently Amended) The ~~single~~ valve according to Claim 4, wherein the membrane is made of a polymer.

6. (Currently Amended) The ~~single~~ valve according to Claim 4, wherein the membrane is made by stamping a metal sheet.

7. (Currently Amended) The ~~single~~ valve according to Claim 4, wherein the membrane is made by duplicate molding an elastomer onto a metallic core grid.

8-11. (Canceled)

12. (Currently Amended) The ~~single~~ valve according to Claim 1, wherein the one or several openings in the membrane is two or more openings.